

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)**Search Results -**

Terms	Documents
11 and ozon\$	1

Database:

US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Refine Search:

11 and ozon\$

[Clear](#)**Search History****Today's Date: 7/15/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT	11 and ozon\$	1	<u>L2</u>
USPT	((562/898)!.CCLS.)	60	<u>L1</u>

WEST

Generate Collection

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 5362365 A

L2: Entry 1 of 1

File: USPT

Nov 8, 1994

US-PAT-NO: 5362365

DOCUMENT-IDENTIFIER: US 5362365 A

TITLE: Purification of acetic anhydride or acetic anhydride and acetic acid using
ozone

DATE-ISSUED: November 8, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Niijima; Hiroyuki	Himeji	N/A	N/A	JPX
Akita; Kazuyuki	Himeji	N/A	N/A	JPX

US-CL-CURRENT: 203/31; 203/98, 203/DIG.19, 562/519, 562/608, 562/891, 562/898

ABSTRACT:

Acetic acid and/or acetic anhydride containing methyl crotonate, vinyl acetate, or both as impurities, is contacted with ozone in an amount of excess molar to the carbon-carbon double bond in said methyl crotonate and/or vinyl acetate and the impurities produced by ozone-treatment are removed off by distillation. A large quantity of impurities such as aldehydes are produced after treatment by treating acetic acid and/or acetic anhydride containing much amount of unsaturated compounds as impurities with ozone. Distilling the ozone-treated acetic acid and/or acetic anhydride make it possible to remove methyl crotonate and vinyl acetate, which are unsaturated compounds difficult to remove by the conventional separation methods, to give high-quality acetic acid and/or acetic anhydride excellent in the residence time in the potassium permanganate test.

17 Claims, 0 Drawing figures Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWOC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	--------	------	-----------	-------

Generate Collection

Terms	Documents
11 and ozon\$	1

Display

300 Documents, starting with Document: 1

Display Format:

REV

Change Format